

ABSTRACT

A multiple-interface radio terminal is provided with facilities which dynamically
 5 assign a stream of packet data to be transmitted to a selected one of a plurality of
 interface(s). The interfaces respectively support channels that share a common frequency
 spectrum but that operate with different transmission protocols, for example the Bluetooth
 and 802.11 protocols. The terminal is provided with an interface manager that
 periodically transmits query signals to the respective channels to obtain and store
 10 refreshable inputs representative of a selected transmission condition(s) on such channels.
 Upon the occurrence of a connection request at the terminal, the interface manager
 compares the latest stored samples from the respective channels with a reference metric to
 generate an indication which represents the relative states of the channels with regard to
 the selected transmission condition. The terminal further includes a selector which utilizes
 15 an indication from the interface manager to route the incoming packets to be transmitted
 to the particular interface whose associated channel exhibits the desired relative state.